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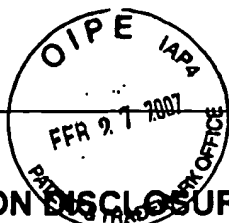
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10696676	
	Filing Date		2003-10-29	
	First Named Inventor	Keith L. Black		
	Art Unit	1635		
	Examiner Name	Richard A. SCHNIZER		
	Attorney Docket Number	67789-503		

U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
PS	1	5011837		1991-04-30	Atwal et al.	
I	2	5234922		1993-08-10	Welsh et al.	
I	3	7018979		2006-03-28	Black et al.	
PS	4	6417207		2002-07-09	Garvey et al.	
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PS	1	20030072748		2003-04-17	Black et al.	
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
BS	1	WO 01/54680			2001-02-07	Cedars-Sinai Medical Center		<input type="checkbox"/>
BS	2	WO 96/12030			1996-04-25	Rhone-Poulenc Rorer S.A.		<input type="checkbox"/>
BS	3	WO 01/54771			2001-08-02	Cedars-Sinai Medical Center		<input type="checkbox"/>

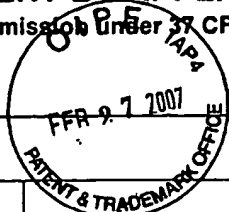
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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
BS	1	Black, Keith L. et al., Intracarotid infusion of RMP-7, a bradykinin analog, and transport of gallium-68 ethylenediamine tetraacetic acid into human gliomas, Journal of Neurosurgery, 86(4):603-609 (1997).	<input type="checkbox"/>
I	2	Brayden, Joseph E., Functional roles of KATP channels in vascular smooth muscle, Clinical and Experimental Pharmacology and Physiology, 29(4):312-6 (2001).	<input type="checkbox"/>
I	3	Brayden, J.E., Potassium channels in vascular smooth muscle, Clinical and Experimental Pharmacology and Physiology, 23(12): 1069-76 (December 1996). (ABSTRACT ONLY)	<input type="checkbox"/>
I	4	Esaki, Takanori et al., Blockade of KATP channels with glibenclamide does not alter functional activation of cerebral blood flow in the unanesthetized rat, Brain Research, 948:56-63 (2002).	<input type="checkbox"/>
BS	5	Hashizume, Kazuhiro et al., Increased endothelial vesicular transport correlates with increased blood-tumor barrier permeability induced by bradykinin and leukotriene C4, Journal of Neuropathology and Experimental Neurology, 61 (8):725-735 (August 2002).	<input type="checkbox"/>

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6	Inamura, Takanori et al., Bradykinin selectively opens blood-tumor barrier in experimental brain tumors, Journal of Cerebral Blood Flow Metabolism, 14(5):862-870 (1994).	<input type="checkbox"/>
7	Janigro, Damir et al., ATP-sensitive K ⁺ channels in rat aorta and brain microvascular endothelial cells, Department of Neurological Surgery, University of Washington, C812-C821 (1993).	<input type="checkbox"/>
8	Joo, Ferenc et al., Regulation of the macromolecular transport in the brain microvessels: the role of cyclic GMP, Brain Research, 278:165-174 (1983).	<input type="checkbox"/>
9	Liebner, Stefan et al., Claudin-1 and claudin-5 expression and tight junction morphology are altered in blood vessels of human glioblastoma multiforme, Acta Neuropathol, 100:323-331 (2000).	<input type="checkbox"/>
10	Liu, Sju Ming et al., Nitric oxide and cGMP regulate endothelial permeability and F-actin distribution in hydrogen peroxide-treated endothelial cells, Experimental Cell Research, 235:238-244 (1997).	<input type="checkbox"/>
11	Shah, Shrenik P. et al., Drug delivery to the central nervous system: a review, Journal of Pharmacy and Pharmaceutical Science, 6(2):252-273 (2003).	<input type="checkbox"/>
12	Morimoto, Takashi et al., Increased levels of tissue endostatin in human malignant gliomas, Clinical Cancer Research, 8:2933-2938 (September 2002).	<input type="checkbox"/>
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PS	17	Schoch, Heike J. et al., Hypoxia-induced vascular endothelial growth factor expression causes vascular leakage in the brain, Brain, 125:2549-2557 (2002).	<input type="checkbox"/>
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	19	Sugita, Masao et al., Cyclic GMP-specific phosphodiesterase inhibition and intracarotid bradykinin infusion enhances permeability into brain tumors, Cancer Research, 58(5):914-920 (1998).	<input type="checkbox"/>
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TS	28	Abdul, M. et al., Activity of potassium channel-blockers in breast cancer, Anticancer Research, 23(4):3347-3351 (July-August 2003). (ABSTRACT ONLY)	<input type="checkbox"/>
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IN ST.	31	Black, Keith L., Imaging and drug delivery to tumor-infiltrated brain, Clinical Neurosurgery, Chapter 30: 563-572	<input type="checkbox"/>
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RS	39	Elliot, P.J. et al., Unlocking the blood-brain barrier: a role for RMP-7 in brain tumor therapy, Experimental Neurology, 141(2):214-224 (October 1996). (ABSTRACT ONLY)	<input type="checkbox"/>
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	41	King, Wesley A. et al., Intracarotid infusion of leukotriene C4 increases blood-tumor barrier permeability in experimental rat brain tumors, Neurological Surgery Surgical Forum, Volume XL:490-493 (1989).	<input type="checkbox"/>
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	47	Sugita, M. et al., Nitric oxide and cyclic GMP attenuate sensitivity of the blood-tumor barrier permeability to bradykinin, Neurological Research, 20(6):559-563 (September 1998). (ABSTRACT ONLY)	<input type="checkbox"/>
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P3	49	Bang et al., Nitroglycerin-mediated vasorelaxation is modulated by endothelial calcium-activated potassium channels, Cardiovascular Research, 43(3):772-778 (August 15, 1999). (ABSTRACT ONLY)	<input type="checkbox"/>
1	50	Black, Keith L. et al., Selective opening of the blood-tumor barrier by intracarotid infusion of leukotriene C4, Journal of Neurosurgery, 72(99):912-916 (1990).	<input type="checkbox"/>
1	51	Butt, E. et al., Inhibition of cyclic GMP-dependent protein kinase-mediated effects by (Rp)-8-bromo-PET-cyclic GMPS, British Journal of Pharmacology, 116(8): 3110-3116 (December 1995). (ABSTRACT ONLY)	<input type="checkbox"/>
1	52	Chen, C.H. et al., Nitric oxide activates Ca2+-activated K+ channels in cultured bovine adrenal chromaffin cells, Neuroscience Letters, 248(2):127-129 (May 29, 1998). (ABSTRACT ONLY)	<input type="checkbox"/>
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1	54	Fullerton, D.A. et al., Effective control of pulmonary vascular resistance with inhaled nitric oxide after cardiac operation, Journal of Thoracic Cardiovascular Surgery, 111(4):753-762; discussion 762-763 (April 1996). (ABSTRACT ONLY)	<input type="checkbox"/>
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1	57	Hardy, P. et al., A major role for prostacyclin in nitric oxide-induced ocular vasorelaxation in the piglet, Circulation Research, 83(7): 721-729 (October 5, 1998) (ABSTRACT ONLY)	<input type="checkbox"/>
P3	58	Jackson, W.F. et al., Prostacyclin-induced vasodilation in rabbit heart is mediated by ATP-sensitive potassium channels, American Journal of Physiology, 264(1 Pt 2):H238-43 (January 1993) (ABSTRACT ONLY)	<input type="checkbox"/>

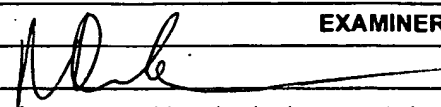
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B	59	Kieler-Jensen, N. et al., Inhaled nitric oxide in the evaluation of heart transplant candidates with elevated pulmonary vascular resistance, Journal of Heart and Lung Transplant, 13(3): 366-375 (May-June 1994) (ABSTRACT ONLY)	<input type="checkbox"/>
1	60	Kurtz, A. et al., Mode of nitric oxide action on the renal vasculature, Acta Physiologica Scand, 168(1): 41-45 (January 2000) (ABSTRACT ONLY)	<input type="checkbox"/>
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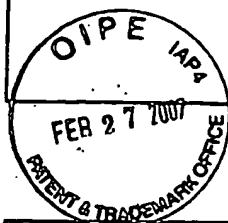
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CEDAR 043453

Application Number:
09/491,500
IN AN APPLICATION

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Applicant: **Kelth L. Black and Nagendra S. Ningara**

Filing Date: **Jan. 26, 2000**

Group Art Unit: **1646**

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DS	5,112,596	05/12/92	Malfroy-Camine			
	5,124,146	06/23/92	Neuwelt			
	5,215,985	06/01/93	Murphy et al.			
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TS	5,922,735	07/13/99	Sit et al.			

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: CEDAR 043453	Application Number: 09/491,500
	Applicant: Keith L. Black and Nagendra S. Ningaraj	
	Filing Date: Jan. 26, 2000	Group Art Unit: 1646

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BS	1.	Adeagbo, A.S., <i>1-Ethyl-2-benzimidazolinone stimulates endothelial K(Ca) channels and nitric oxide formation in rat mesenteric vessels</i> , <u>Eur. J. Pharmacol</u> , 379(2-3):151-9 (August 27, 1999). ABSTRACT ONLY.
	2.	Akar, F., et al., <i>Protective effect of cromakalim and diazoxide, and proulcerogenic effect of glibenclamide on indomethacin-induced gastric injury</i> , <u>Eur. J. Pharmacol</u> , 374(3):461-70 (June 25, 1999). ABSTRACT ONLY.
	3.	Andrade, S.P., et al., <i>Pharmacological reactivity of neoplastic and non-neoplastic associated neovasculature to vasoconstrictors</i> , <u>Int. J. Exp. Pathol</u> , 79(6):425-32 (December 1998). ABSTRACT ONLY.
	4.	Brian, J.E., Jr., et al., <i>Recent insights into the regulation of cerebral circulation</i> , <u>Clin. Exp. Pharmacol Physiol</u> , 23(6-7):449-57 (June-July 1996). ABSTRACT ONLY.
	5.	Brismar, T., et al., <i>Mechanism of high K⁺ and Tl⁺ uptake in cultured human glioma cells</i> , <u>Cell Mol. Neurobiol</u> , 15(3):351-60 (June 1995). ABSTRACT ONLY.
	6.	Brismar, T., et al., <i>Thallium-201 uptake relates to membrane potential and potassium permeability in human glioma cells</i> , <u>Brain Res.</u> , 500(1-2):30-6 (October 23, 1989). ABSTRACT ONLY.
	7.	Burg, M.A., et al., <i>NG2 proteoglycan-binding peptides target tumor neovasculature</i> , <u>Cancer Res.</u> , 59(12):2869-74 (June 15, 1999). ABSTRACT ONLY.
	8.	Burrows, F. J., et al., <i>Eradication of large solid tumors in mice with an immunotoxin directed against tumor vasculature</i> , <u>Proc. Natl. Acad. Science U.S.A.</u> , 90(19):8996-9000 (October 1, 1993). ABSTRACT ONLY.
	9.	Butt, A.M., <i>Effect of inflammatory agents on electrical resistance across the blood-brain barrier in pial microvessels of anaesthetized rats</i> , <u>Brain Res.</u> , 696(1-2):145-50 (October 23, 1995). ABSTRACT ONLY.
	10.	Butt, A.M., et al., <i>Effect of histamine and antagonists on electrical resistance across the blood-brain barrier in rat brain-surface microvessels</i> , <u>Brain Res.</u> , 569(1):100-5 (January 8, 1992). ABSTRACT ONLY.
	11.	Cai, S., et al., <i>Single-channel characterization of the pharmacological properties of the K(Ca²⁺) channel of intermediate conductance in bovine aortic endothelial cells</i> , <u>J. Membr. Biol.</u> , 163(2):147-58 (May 15, 1998). ABSTRACT ONLY.
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FORM 1449° INFORMATION DISCLOSURE STATEMENT	Docket Number: CEDAR 043453	Application Number: 09/491,500
IN AN APPLICATION	Applicant: Keith L. Black and Nagendra S. Ningsanj	
(Use several sheets if necessary)	Filing Date: Jan. 26, 2000	Group Art Unit: 1648

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FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: CEDAR 043453	Application Number: 09/491,500
	Applicant: Keith L. Black and Nagendra S. Ningara	
	Filing Date: Jan. 26, 2000	Group Art Unit: 1646

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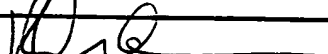
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FORM 1449^o INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: CEDAR 043453	Application Number: 09/491,500
	Applicant: Keith L. Black and Nagendra S. Ningaraj	
	Filing Date: Jan. 26, 2000	Group Art Unit: 1646

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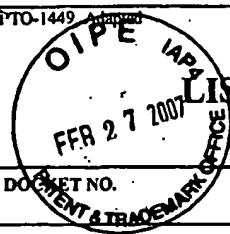
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION Yes	TRANSLATION No
925	WO 91/16355	31.10.91	PCT				
	WO 97/31654	04.09.97	PCT				
	WO 00/23102	27.04.00	PCT				
	0 351 767 A2	24.01.90 Bul. 90/04	EP				
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U.S. PATENT DOCUMENTS

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APPLICANT Keith L. Black and Nagendra S. Ningaraj		GROUP 1632

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APPLICANT Keith L. Black and Nagendra S. Ningaraj		GROUP 1632	
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PS	BV	Uchida, M., et al., <i>Cyclic GMP-dependent blood-brain tumor barrier permeability is not mediated by cyclic GMP-dependent protein kinase</i> , <u>Congress of Neurological Surgeons Annual Meeting</u> , 50 th Anniversary Celebration, September 23-28, 2000, Henry B. Gonzalez Convention center, San Antonio, Texas, ABSTRACT No. 440, p. 220.	
	BW	Vodovotz, Y., et al., <i>Regulation of transforming growth factor beta 1 by nitric oxide</i> , <u>Cancer Res</u> , 59:2142-9 (1999). ABSTRACT ONLY.	
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EXAMINER		DATE CONSIDERED	
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